Fig. 1 (a)

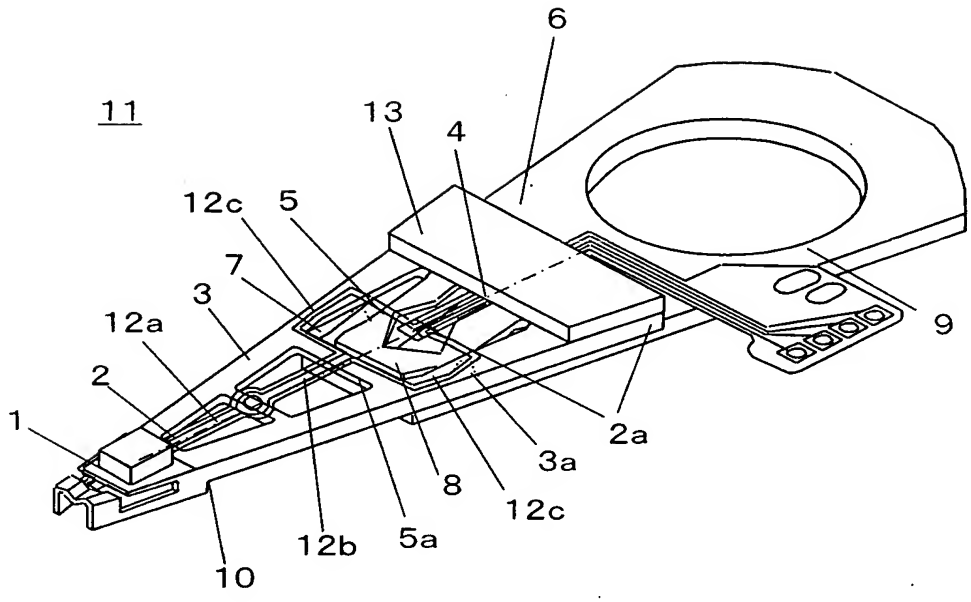


Fig. 1 (b)

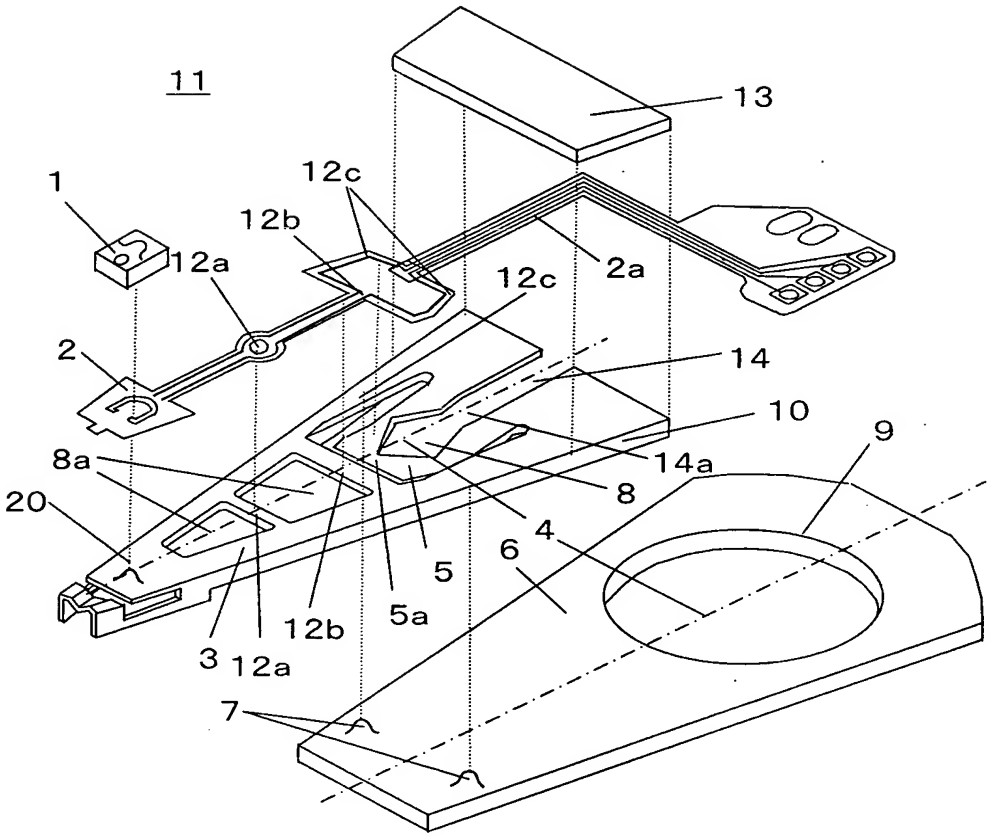


Fig. 2

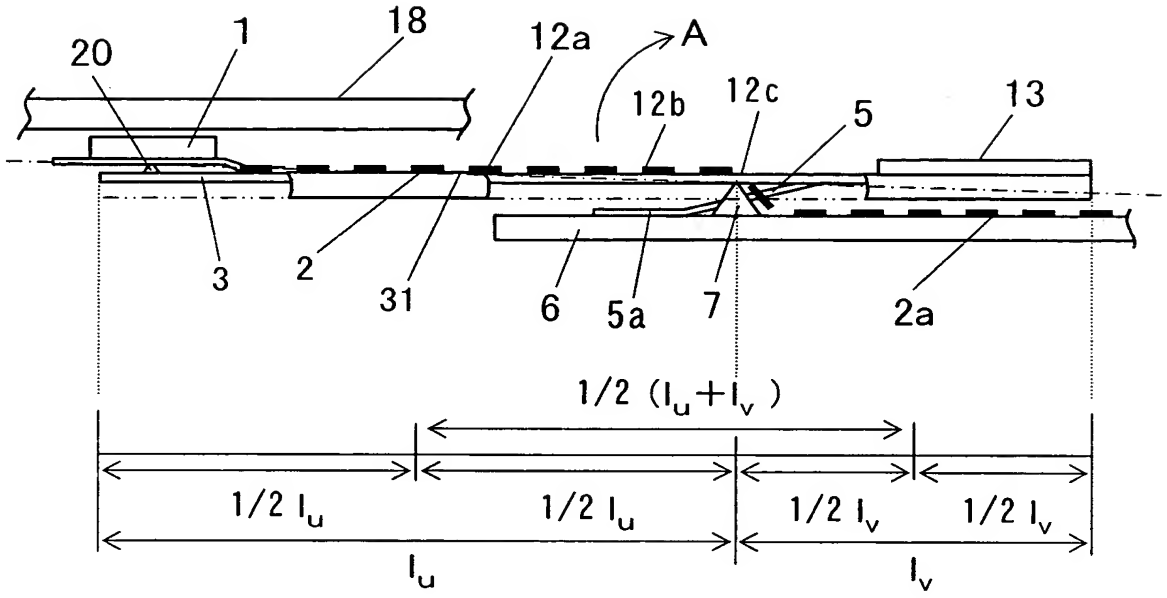
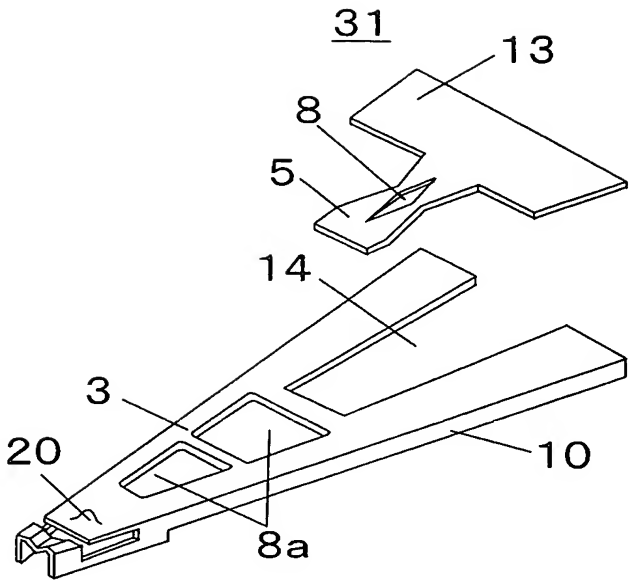

20
1
18
12a
A
12b
12c
5
13
3
2
31
6
5a
7
2a
1/2 (lu+lv)
1/2 lu
1/2 lu
1/2 lv
1/2 lv
lu
lv

Fig. 3

(a)



(b)

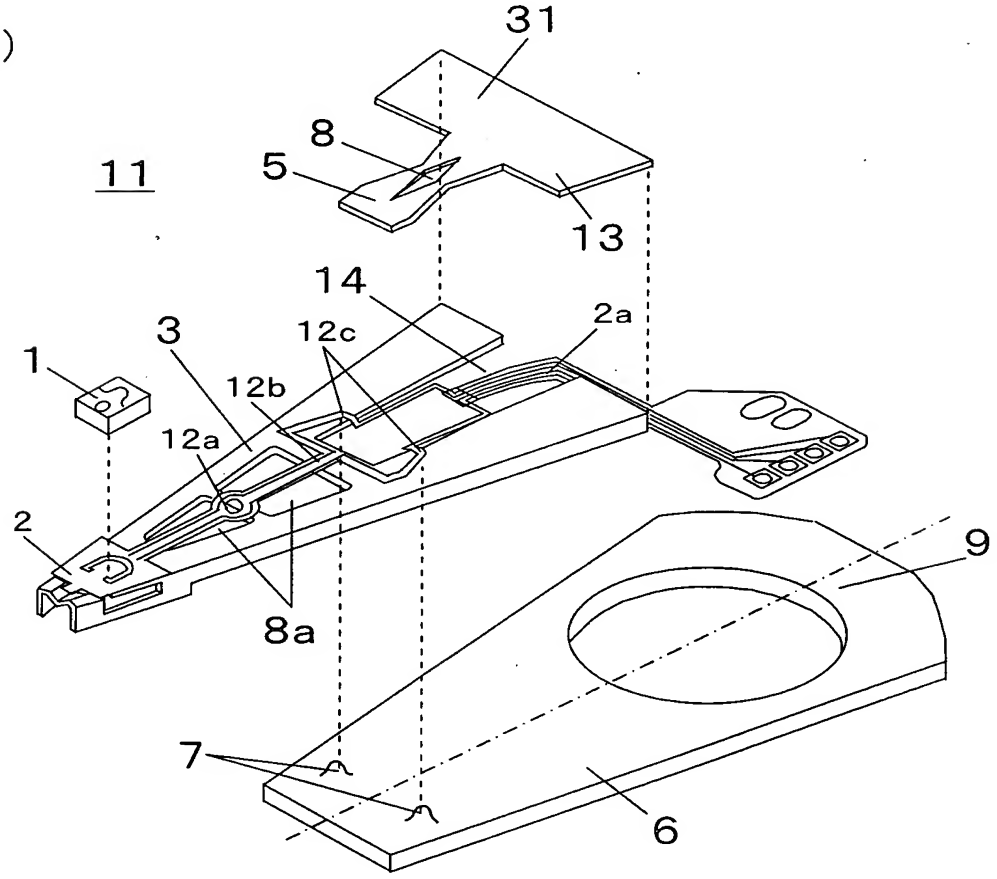


Fig. 4

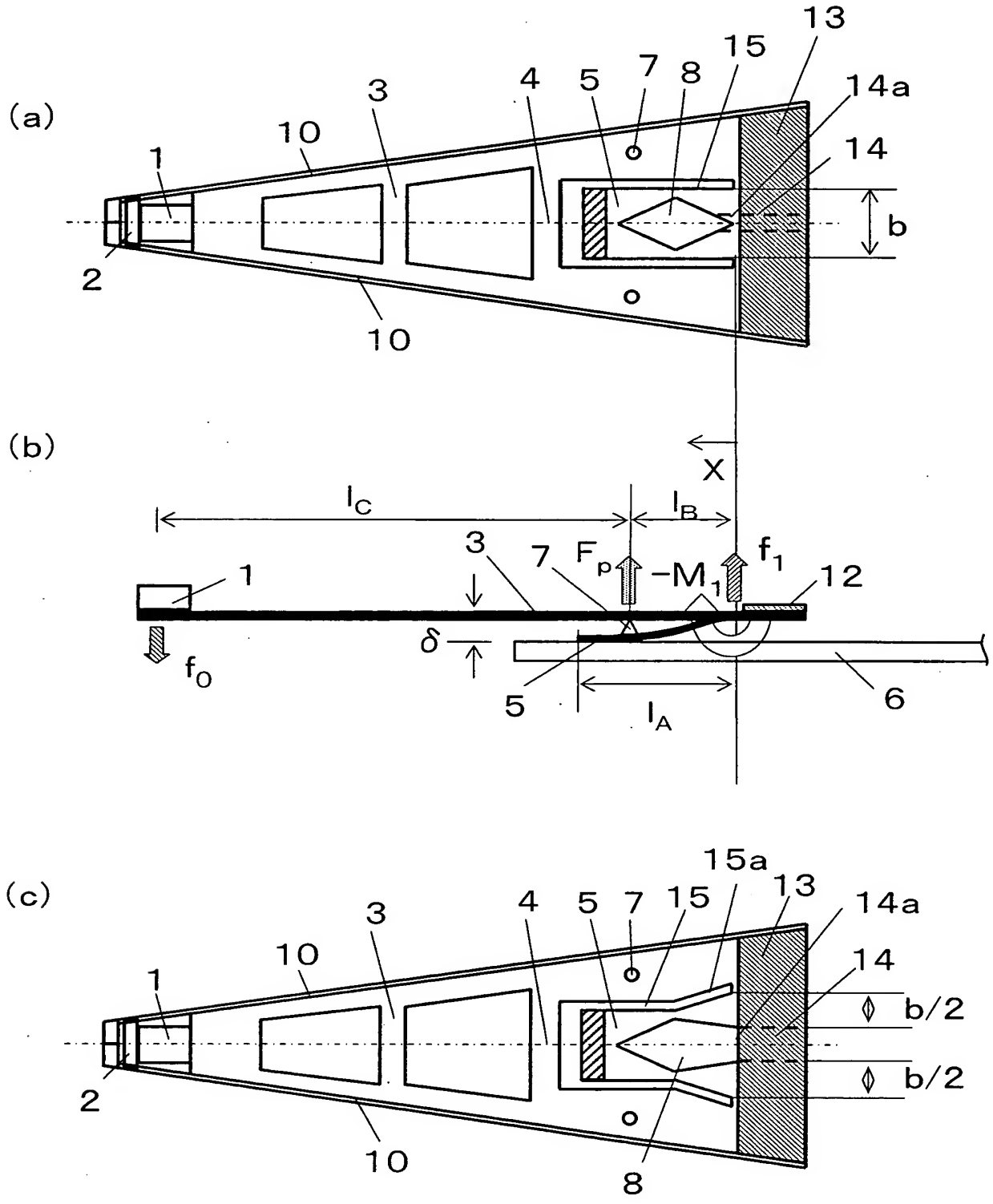
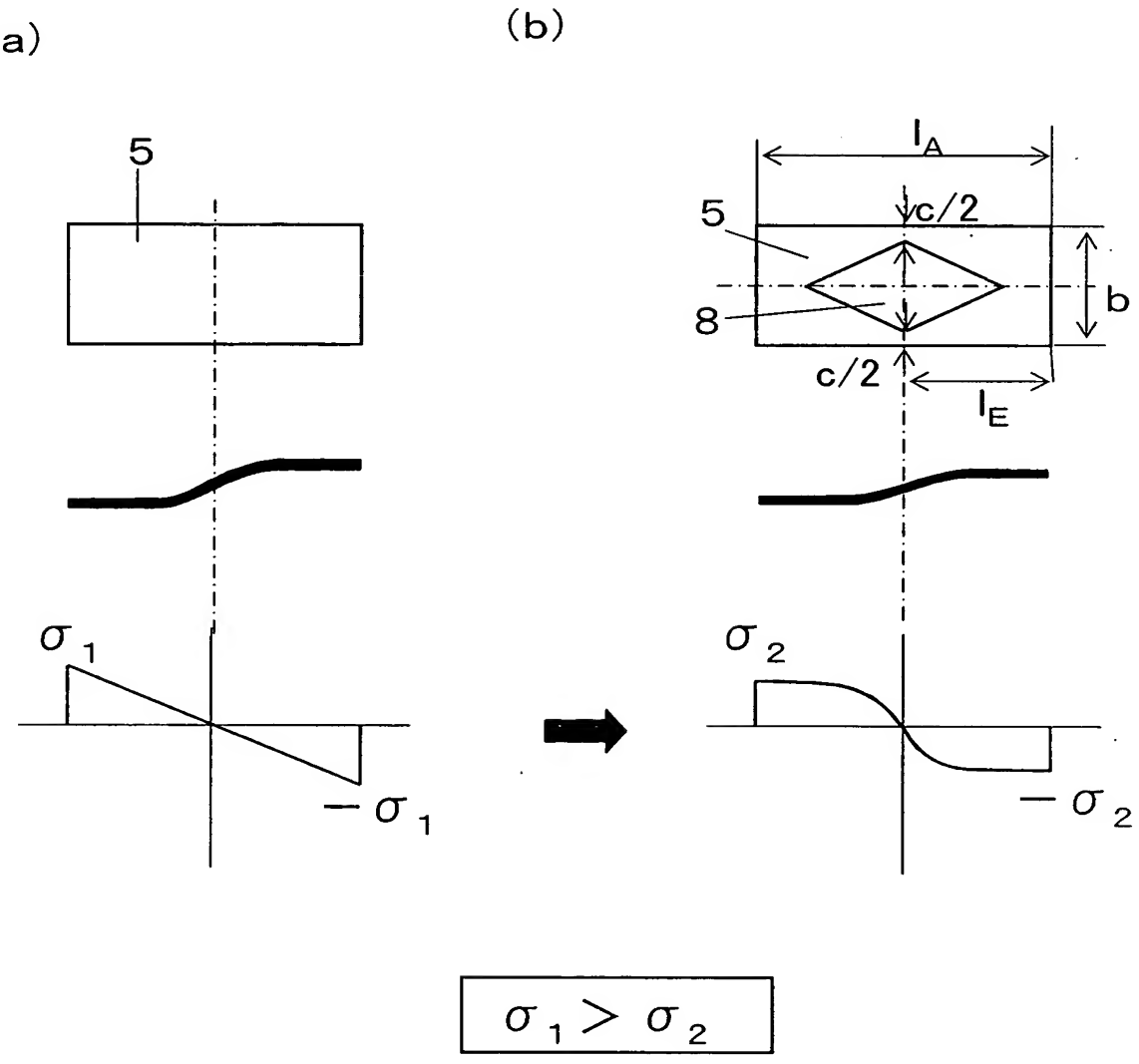
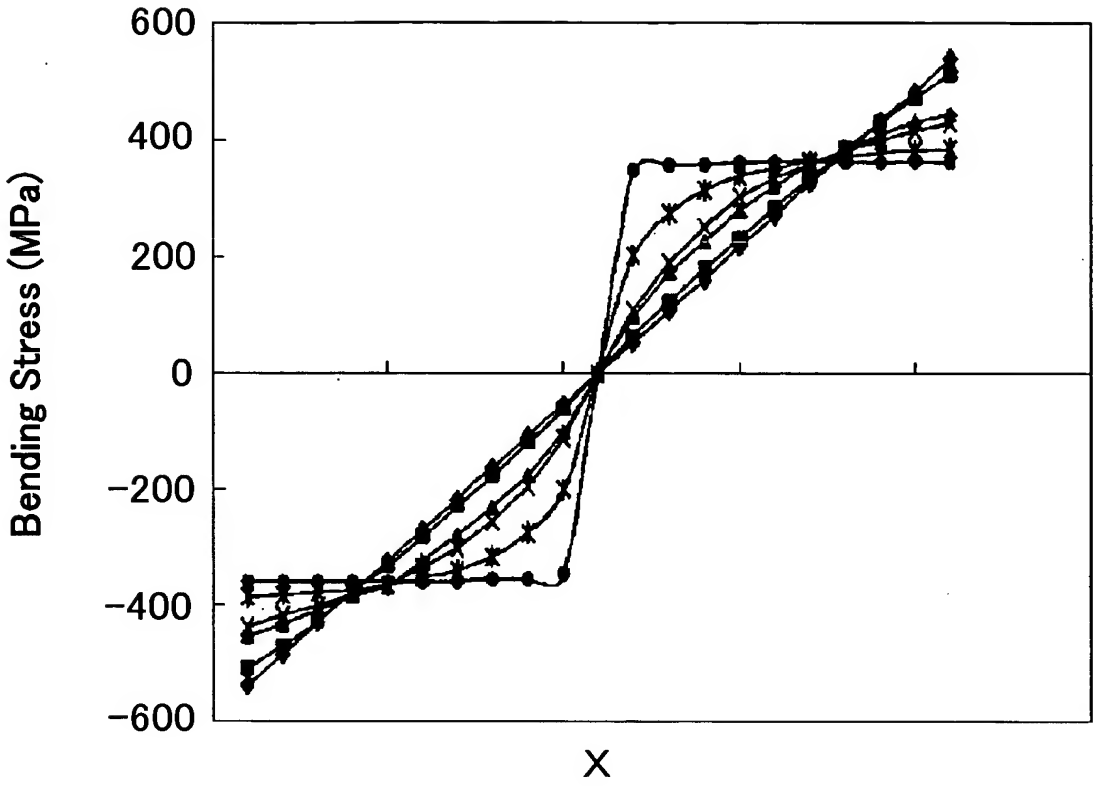

(a)
13
15
7
8
4
5
3
14a
10
1
14
b
2
10
(b)
X
l_C
l_B
3
7
F_p
$-M_1$
f_1
12
1
f_0
δ
5
l_A
6
(c)
15a
13
4
5
7
15
3
14a
10
1
14
b/2
b/2
2
10
8

Fig. 5



$\sigma_1 > \sigma_2$

Fig. 6



Conditions
of Spring Member

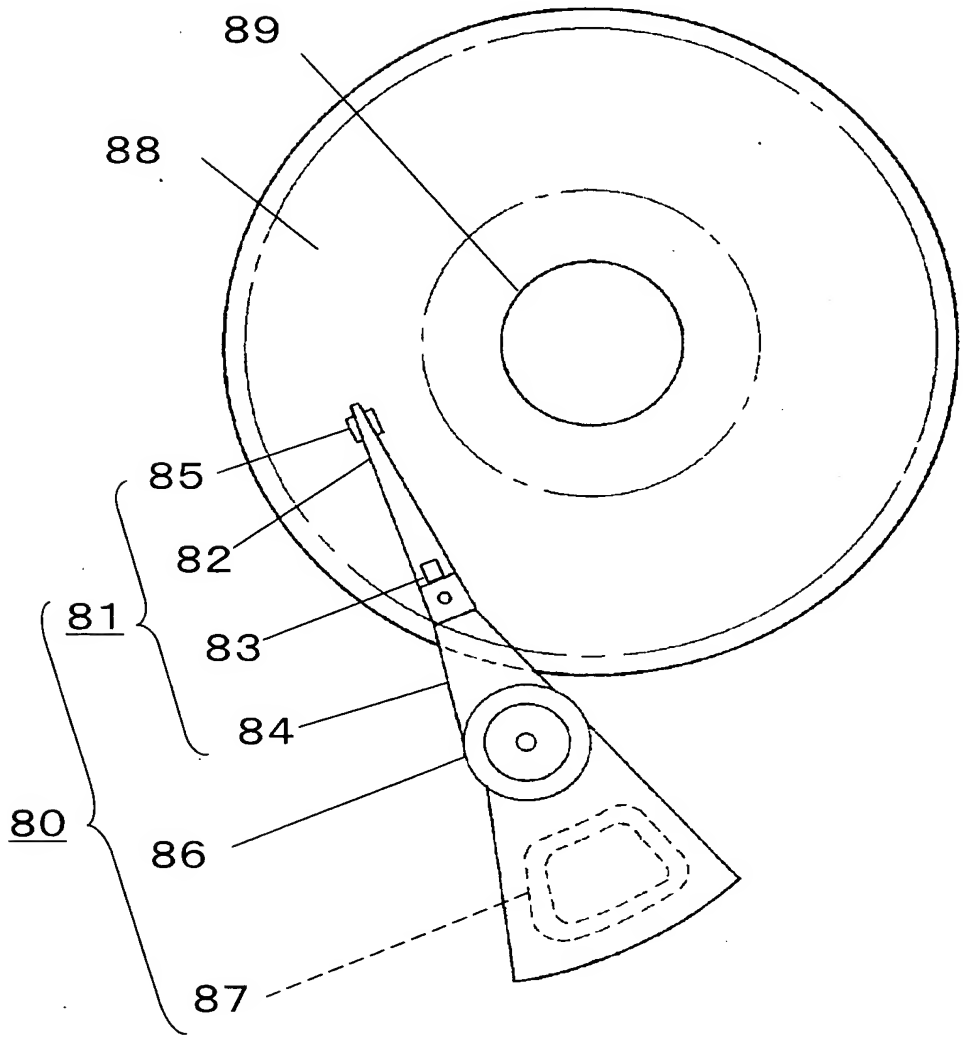
Material : SUS304
Young's Modulus = 176400MPA
Spring Member Thickness =40 μ m
Spring Member Width b = 1.8mm
Distance from Vertex
of Pivot End of Slider lc = 13mm
Deformed Spring
Member Height δ = 0.1mm

Ratio n of total area
of spring member
to area of part of
spring member
does not include hole

- n = 0.999
- n = 0.8
- n = 0.4
- n = 0.3
- n =0.1
- n = 0.005

PRIOR ART

Fig. 7



PRIOR ART

Fig. 8